

**Abstract**

5            Cooling system for the cooling of heat producing devices in an aircraft

A cooling system (10) for the cooling of heat producing devices (44, 46, 48) in an aircraft is designed with a central cold producing device (12), at least one cold consumer (44, 46, 48) and a cold conveyance system (14) which connects the cold producing device (12) and the cold consumer (44, 46, 48). With this cooling system,  
10 the cold conveyance system (14) has at least one cooling circuit which supplies a cooled cold carrier medium from the cold producing device (12) to at least one cold consumer (44, 46, 48) and brings this back to the cold producing device (12), so that at least one cold consumer (44, 46, 48) is supplied with the cold produced in the cold  
15 producing device (12) by means of the cold carrier medium circulating in the cooling circuit.

(Fig. 1)